

In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A method for fabricating a semiconductor device comprising:

forming a first gate electrode including a dielectric layer, a first conducting layer formed on the dielectric layer, and a first insulating layer formed on the conducting layer on a substrate, the first gate electrode functioning as a flash memory;

forming first spacers on sidewalls of the first gate electrode;

forming a second gate electrode comprising a gate oxide layer and a second conducting layer on the substrate, the second gate electrode functioning as a normal gate electrode;

performing a first ion implantation process using at least one of the first spacers as a mask to form forming a first source/drain region with a shallow junction region for a source/drain region adjacent to one of the first spacers and a second source/drain region with a shallow junction adjacent to the second gate electrode by performing a first ion implantation process using at least one of the first spacers as a mask;

forming second spacers on a sidewall of the first spacer and on sidewalls of the second gate electrode; and

performing a second ion implantation process using at least one of the second spacers as a mask to form completing a source/drain region with an LDD region by forming a source/drain region with a deep junction region for the source/drain region adjacent to the first gate electrode, the source/drain region with the deep junction being formed by a second ion implantation process using the at least one of the second spacers as a mask.

2. (Previously Presented) A method as defined in claim 1, wherein forming the first spacers comprises:

forming a second insulating layer on the substrate and the first gate electrode; and

performing an etch back process on the second insulating layer.

3. (Previously Presented) A method as defined in claim 1, wherein forming the second spacers comprises:

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forming a third insulating layer on the substrate, the first gate electrode, the first spacers, and the second gate electrode; and  
performing an etch back process on the third insulating layer.

4. (Canceled).